



PRICE BID FORMAT

SI.NO	Item description	Unit	Quantity	Percentage allocation
1	DISMANTLING STEEL STRUCTURE: Dismantling existing steel structures in built up sections like staircase, truss, columns, purlins etc in angles, tees, flats and channels including all gusset plates, bolts and nuts, cutting rivets, welding etc. using gas cutting or mechanical cutting tools. Stacking the serviceable materials and disposing the unserviceable materials to the steel scrap yard inside factory premises including necessary scaffolding tools and plants up to working height of 10.00m also including the cost of all materials, labour and shifting of materials etc complete	Kg	2000.00	0.2
2	DISMANTLING RCC WORKS: Dismantling of existing structure comprising of Reinforced Cement Concrete by manually or by mechanical means including T&P, sorting the dismantled materials and stacking the serviceable materials including steel reinforcement and shifting to steel scrap yard with all lifts complete and disposal of unserviceable materials into the identified bins inside the factory premises etc. including the cost of all materials, labour and shifting of materials etc complete.	cum	5.00	0.3
3	DISMANTLING MASONRY WORKS: Dismantling of existing structure comprising of Stone/Brick Masonry by manually or by mechanical means including T&P, sorting the dismantled materials and stacking the serviceable materials and shifting to identified store with all lifts complete and disposal of unserviceable materials into the identified bins inside the factory premises etc. including the cost of all materials, labour and shifting of materials etc complete.	cum	72.00	3.0
4	EARTHWORK EXCAVATION: Earthwork excavation by manual or mechanical means for foundation, culverts, water supply and sanitary lines and electrical conduits etc. either in pits or trenches 1.5m and above in width and not exceeding 7m depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges and shifting it to the place identified by Engineer In charge inside factory premises etc complete.	cum	1120.00	6.74
5	CLOSE TIMBERING: Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. Measurements to be taken if the face area timbered. Upto 7m depth.	sqm	165.00	0.65
6	WET-MIX: Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve	cum	48.00	3.01



	the desired density, complete as per specifications and directions of Engineer-in-Charge			
7	PCC 1:4:8 : Providing and laying PCC 1:4:8 using 40mm and downsize graded coarse aggregate and fine aggregate machine mixed, concrete laid in layers not exceeding 15cm thick well compacted in foundation including cost of all materials, labour, HOM of machinery, curing etc complete..	cum	24.00	3.3
8	RCC M25: Providing and laying in position machine batched and machine mixed design mix m25 grade cement concrete for reinforced cement concrete work using 20mm and downsize coarse aggregate and using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in- charge. Sample RCC cubes to be casted and tested as per IS:456 for every batch and timely test reports to be submitted to Engineer In charge. Including providing pockets for all shapes and sized and at all levels/ heights as per GFC. Cost of curing included.	cum	146.91	27.92
9	CENTERING & SHUTTERING FOR ROOF/ SLABS: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for roofs, landings, suspended floors, landings, balconies, and likes, thickness upto 300mm including cost of all materials, labour etc complete.	sqm	146.40	2.41
10	CENTERING & SHUTTERING FOR WALLS: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for walls thickness upto 300mm including cost of all materials, labour etc complete.	sqm	629.34	9.11
11	CENTERING & SHUTTERING FOR BEAMS AND LINTELS: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for roof beams, tie beams, lintel beams and plinths beams and any other beams including cost of all materials, labour etc complete..	sqm	75.00	0.98
12	BAR BINDING LABOUR TMT REINFORCEMENT: Labour charges for binding TMT steel reinforcement of Fe 500 Grade for RCC works including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with 18 SWG black annealed binding wire (double fold) and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks, and wastage shall not be measured and paid), providing PVC cover blocks and including cost of all materials excluding TMT reinforcement including loading, unloading and transportation, labour, HOM of machinery, scaffolding and all other incidental	Kg	18364.00	10.12



	charges etc complete. The required TMT steel reinforcement will be supplied by BHEL as free issue.			
13	CC SOLID BLOCK MASONRY: Providing and laying autoclaved aerated cement blocks masonry with 150mm/230,,/300mm thick AAC blocks in super structure above plinth level and up to floor five level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar, including hoisting and setting in position, including cost of required scaffolding, labour, materials, curing, cost of shifting of materials etc complete.	cum	13.00	0.52
14	BURNT BRICK MASONRY CM1:4: Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 7.5N per sqmm with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing etc complete.	cum	10.00	1.52
15	20MM PLASTERING CM1:4: Providing 20mm thick cement plaster in single coat with cement mortar 1:4 to masonry & concrete surface to both interior and exterior surfaces including rounding off corners and edges, smooth lime rendering to the internal walls, including providing and removing scaffolding, cost of materials, labour, curing etc., complete. Working height upto 10m.	sqm	1214.82	10.54
16	WATERPROOFING MIXTURE FOR CONCRETE: Providing and mixing integral crystalline admixture for water proofing treatment to RCC structures like basement raft, retaining walls, reservoir, sewage & water treatment plant, tunnels/ subways and bridge deck etc. at the time of transporting of concrete into the drum of the ready mix truck, using integral crystalline admixture @ 0.80% (minimum) to the weight of cement content per cubic meter of concrete or higher as recommended by the manufacturer's specification in reinforced cement concrete at the site of work. The material shall met the requirements as specified in ACI - 212 - 3R - 2010 i.e. by reducing permeability of concrete by more than 90% , compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure. The crystalline admixture shall be carried out all complete as per specification and the direction of Engineer In Charge. The product performance shall carry guarantee for 10 years against any leakage	Kg	423.10	3.89
17	CORE CUTTING FOR HOLES: Providing core cutting of holes in reinforced concrete using power driven drill upto a depth of 250mm in RCC surfaces. Diameter of hole upto 160mm. Working depth upto 5m. Including the cost of disposal of broken debris to the identified bins and including the cost of all material, labour, machineries etc complete.	Nos	20.00	0.12



BHARAT HEAVY ELECTRICALS LIMITED,

Solar Business Division, Malleswaram,

Bengaluru - 560 012

TENDER
DOCUMENT
(PART – B)

18	DRAIN CONNECTION: Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floor with cement concrete 1:2:4 mix cement plastered on both sides with cement mortar 1:3, finished with a floating coat of neat cement and making necessary channels for the drain etc complete – For pipes 100 to 250mm diameter.	Nos	20.00	0.3
19	MANHOLE COVER: Providing and fixing in position precast RCC manhole cover and frame of size 600mm x 600mm and quality approved by Engineer In Charge. Including the cost of setting and fixing charges, labour, materials etc complete.	Nos	15.00	0.66
20	FILLING AVAILABLE EXCAVATED EARTH: Filling available excavated earth (excluding rock) in sides of foundation upto plinth in layers not exceeding 20cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 5m including cost of all labour etc. complete.	cum	300.00	1.57
21	FABRICATION OF STRUCTURAL STEEL: Supplying fabricating and erecting MS structure for all spans as per approved design and drawing. The work includes cutting, straightening, placing in positions of MS structural members and welding wherever necessary and applying two coat of enamel paint over one coat of red oxide primer coat to all members including cost of all members, labour charges & hire charges of machineries for cutting, welding, grinding & erection equipment, etc. complete.	Kg	2625.56	6.35
22	GALVALUME SHEET FIXING: Supplying and fixing percolated galvalume profile steel sheets (shape, size and pitch of corrugation as approved by Engineer In Charge). 0.50mm Thick (no negative tolerance accepted) with zinc coating of 120gm per sqm as per IS: 277, in 550 MPa steel grade, 5-7 microns' epoxy primer on both sides of the sheet and polyester top coat of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12m or as desired by Engineer In Charge. The sheet shall be fixed using self-drilling/ self-tappingscrews of size (5.5 x55mm) with SBDM seal complete up to any pitch in horizontal/ vertical or curved surfaces,excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	sqm	240.00	3.58
23	GALVALUME SHEET ACCESSORIES: Providing and installing of approved make pre painted Galvalume iron accessories of 0.5mm (no negative tolerance accepted) total coated thickness with zinc coating of 120gm per sqm as per IS:277, in 240 MPa steel grade, 5-7 microns' epoxy primer on both sides of the sheet and polyester top coat of 15-18 microns for plain, ridges, plain gutter, plain flashing, corner trim etc. to be fixed over existing purlins, rafters, channels and trusses, using self-drilling/ self-	Rmt	46.00	0.4



	tapping screws including the cost of all materials, labour, safety equipment, HOM etc complete.			
24	HIRING OF JCB EXCAVATOR: Providing JCB excavator with fuel and driver / operator and all other staff on daily working basis including the cost of all materials and labour etc complete.	Day	10.00	2.18
25	HIRING OF TRACTOR & TROLLEY: Providing Tractor with trolley with fuel and driver / operator and all other staff on daily working basis including the cost of all materials and labour etc complete.	Day	15.00	0.63
Total Quoted Amount for the Work				
GST- %age				
GST - Value				
Grand Total				
Landed Cost (Grand Total)				

Final Cost in Words.....

Sign & Seal of Bidder